HCUP Summary Statistics Report: NIS 2015 Core File Means of Continuous Data Elements

Variable / Label	N	N Miss	Minimum	Maximum	Mean	Std Dev
AGE: Age in years at admission	7,151,190	2,799	0.00	90.00	48.84	27.55
AGE_NEONATE : Neonatal age (first 28 days after birth) indicator	939,517	6,214,472	0.00	1.00	0.85	0.36
AMONTH : Admission month	7,145,068	8,921	1.00	12.00	6.48	3.45
AWEEKEND : Admission day is a weekend	7,152,015	1,974	0.00	1.00	0.20	0.40
DIED : Died during hospitalization	7,150,136	3,853	0.00	1.00	0.02	0.14
DISCWT : NIS discharge weight	7,153,989	0	4.99	5.00	5.00	0.00
DISPUNIFORM : Disposition of patient (uniform)	7,150,136	3,853	1.00	99.00	2.61	3.37
DQTR : Discharge quarter	7,147,026	6,963	1.00	4.00	2.50	1.12
ELECTIVE : Elective versus non-elective admission	7,129,560	24,429	0.00	1.00	0.22	0.41
FEMALE : Indicator of sex	7,151,801	2,188	0.00	1.00	0.57	0.50
HCUP_ED : HCUP Emergency Department service indicator	7,153,989	0	0.00	4.00	0.76	1.01
HOSP_DIVISION: Census Division of hospital	7,153,989	0	1.00	9.00	5.06	2.44
HOSP_NIS: NIS hospital number	7,153,989	0	10,001.00	90,536.00	50,933.30	24,408.04
KEY_NIS: NIS record number	7,153,989	0	10,000,001.00	90,973,399.00	51,112,558.39	24,388,908.46
LOS: Length of stay (cleaned)	7,151,712	2,277	0.00	365.00	4.62	6.87
NIS_STRATUM: NIS hospital stratum	7,153,989	0	1,111.00	9,333.00	5,294.40	2,442.37
PAY1 : Primary expected payer (uniform)	7,144,109	9,880	1.00	6.00	2.11	1.16
PL_NCHS : Patient Location: NCHS Urban-Rural Code	7,121,831	32,158	1.00	6.00	2.64	1.55
RACE : Race (uniform)	6,723,508	430,481	1.00	6.00	1.68	1.17
TOTCHG: Total charges (cleaned)	7,025,729	128,260	100.00	4,991,579.00	44,071.23	82,243.76

(Continued)

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Variable / Label	N	N Miss	Minimum	Maximum	Mean	Std Dev
TRAN_IN : Transfer in indicator	7,116,640	37,349	0.00	2.00	0.09	0.36
TRAN_OUT : Transfer out indicator	7,150,136	3,853	0.00	2.00	0.30	0.70
YEAR : Calendar year	7,153,989	0	2,015.00	2,015.00	2,015.00	0.00
ZIPINC_QRTL : Median household income national quartile for patient ZIP Code	7,018,086	135,903	1.00	4.00	2.34	1.12

AGE	Frequency	Percent of Total
.: Missing	2,177	0.03%
.A: Invalid	<= 10	*.**%
.C: Inconsistent	612	0.01%
0	852,561	11.92%
1	27,306	0.38%
2	24,293	0.34%
3	13,421	0.19%
4	11,707	0.16%
5	10,888	0.15%
6	10,447	0.15%
7	14,749	0.21%
8	9,420	0.13%
9	9,025	0.13%
10	8,906	0.12%
11	9,496	0.13%
12	16,046	0.22%
13	12,824	0.18%
14	15,555	0.22%
15	18,355	0.26%
16	28,243	0.39%
17	24,352	0.34%
18	30,660	0.43%
19	48,533	0.68%
20	46,260	0.65%
21	51,386	0.72%
22	86,794	1.21%
23	60,213	0.84%
24	63,859	0.89%
25	67,608	0.95%
26	69,011	0.96%

AGE	Frequency	Percent of Total
27	107,002	1.50%
28	72,762	1.02%
29	74,981	1.05%
30	75,672	1.06%
31	74,303	1.04%
32	109,573	1.53%
33	72,183	1.01%
34	68,565	0.96%
35	64,950	0.91%
36	59,697	0.83%
37	81,240	1.14%
38	51,412	0.72%
39	47,929	0.67%
40	46,891	0.66%
41	45,298	0.63%
42	68,654	0.96%
43	49,121	0.69%
44	53,080	0.74%
45	53,512	0.75%
46	54,247	0.76%
47	80,815	1.13%
48	59,367	0.83%
49	63,296	0.88%
50	70,553	0.99%
51	75,330	1.05%
52	111,282	1.56%
53	82,013	1.15%
54	85,432	1.19%
55	88,028	1.23%
56	89,688	1.25%

AGE	Frequency	Percent of Total
57	129,697	1.81%
58	94,499	1.32%
59	95,314	1.33%
60	96,975	1.36%
61	97,091	1.36%
62	136,094	1.90%
63	97,016	1.36%
64	96,248	1.35%
65	101,303	1.42%
66	102,247	1.43%
67	148,247	2.07%
68	111,636	1.56%
69	90,861	1.27%
70	91,622	1.28%
71	96,583	1.35%
72	139,251	1.95%
73	94,392	1.32%
74	90,194	1.26%
75	88,613	1.24%
76	87,915	1.23%
77	120,399	1.68%
78	84,425	1.18%
79	82,804	1.16%
80	82,383	1.15%
81	77,514	1.08%
82	105,417	1.47%
83	76,484	1.07%
84	74,181	1.04%
85	72,386	1.01%
86	68,247	0.95%

AGE	Frequency	Percent of Total
87	86,381	1.21%
88	59,329	0.83%
89	53,419	0.75%
90	243,229	3.40%

AGE_NEONATE	Frequency	Percent of Total
.: Missing	6,214,472	86.87%
0: Non-neonatal age at admission	141,923	1.98%
1: Neonatal age at admission	797,594	11.15%

AMONTH	Frequency	Percent of Total
.: Missing	8,921	0.12%
1: January	621,084	8.68%
2: February	558,369	7.81%
3: March	619,421	8.66%
4: April	597,554	8.35%
5: May	592,884	8.29%
6: June	591,562	8.27%
7: July	603,996	8.44%
8: August	597,805	8.36%
9: September	588,921	8.23%
10: October	597,545	8.35%
11: November	569,967	7.97%
12: December	605,960	8.47%

AWEEKEND	Frequency	Percent of Total
.: Missing	1,964	0.03%
.A: Invalid	<= 10	*.**%
0: Monday-Friday	5,688,351	79.51%
1: Saturday-Sunday	1,463,664	20.46%

DIED	Frequency	Percent of Total
.: Missing	2,134	0.03%
.A: Invalid	1,719	0.02%
0: Did not die in hospital	7,013,788	98.04%
1: Died in hospital	136,348	1.91%

DISPUNIFORM	Frequency	Percent of Total
.: Missing	2,134	0.03%
.A: Invalid	1,719	0.02%
1: Discharged to home or self care	4,961,557	69.35%
2: Transfer: short-term hospital	139,421	1.95%
5: Transfer: other type of facility	998,969	13.96%
6: Home health care	828,904	11.59%
7: Against medical advice	83,834	1.17%
20: Died in hospital	136,348	1.91%
99: Discharged alive, destination unknown	1,103	0.02%

DQTR	Frequency	Percent of Total
	6,963	0.10%
1: First quarter	1,797,650	25.13%
2: Second quarter	1,785,546	24.96%
3: Third quarter	1,789,213	25.01%
4: Fourth quarter	1,774,617	24.81%

ELECTIVE	Frequency	Percent of Total
.: Missing	24,287	0.34%
.A: Invalid	142	0.00%
0: Non-elective admission	5,586,053	78.08%
1: Elective admission	1,543,507	21.58%

FEMALE	Frequency	Percent of Total
.: Missing	446	0.01%
.A: Invalid	12	0.00%
.C: Inconsistent	1,730	0.02%
0: Male	3,071,896	42.94%
1: Female	4,079,905	57.03%

HCUP_ED	Frequency	Percent of Total
0: Record does not meet any HCUP Emergency Department criteria	3,529,952	49.34%
1: Emergency Department revenue code on record	2,626,032	36.71%
2: Positive Emergency Department charge (when revenue center codes are not available)	599,777	8.38%
3: Emergency Department CPT procedure code on record	716	0.01%
4: Condition code P7, indication of ED admission, point of origin of ED, or admission source of ED	397,512	5.56%

HOSP_DIVISION	Frequency	Percent of Total
1: New England	327,753	4.58%
2: Middle Atlantic	993,019	13.88%
3: East North Central	1,103,724	15.43%
4: West North Central	494,248	6.91%
5: South Atlantic	1,464,306	20.47%
6: East South Central	485,168	6.78%
7: West South Central	869,975	12.16%
8: Mountain	442,397	6.18%
9: Pacific	973,399	13.61%

LOS	Frequency	Percent of Total
.: Missing	1,946	0.03%
.A: Invalid	19	0.00%
.C: Inconsistent	312	0.00%
0 days	129,552	1.81%
1 day	1,009,741	14.11%
2 days	1,857,864	25.97%
3 days	1,327,476	18.56%
4 days	756,767	10.58%
5 days	484,599	6.77%
6 days	342,272	4.78%
7 days	259,713	3.63%
8 days	183,690	2.57%
9 days	133,922	1.87%
10 days	104,344	1.46%
11 - 30 days	498,773	6.97%
31 - 60 days	49,008	0.69%
61 - 90 days	8,361	0.12%
91 - 120 days	3,026	0.04%
121 - 150 days	1,206	0.02%
151 - 180 days	527	0.01%
181 - 210 days	340	0.00%
211 - 240 days	183	0.00%
241 - 270 days	117	0.00%
271 - 300 days	70	0.00%
301 - 330 days	67	0.00%
331 - 365 days	94	0.00%

PAY1	Frequency	Percent of Total
.: Missing	8,599	0.12%
.A: Invalid	1,281	0.02%
1: Medicare	2,816,555	39.37%
2: Medicaid	1,640,019	22.92%
3: Private insurance	2,180,062	30.47%
4: Self-pay	275,228	3.85%
5: No charge	23,762	0.33%
6: Other	208,483	2.91%

PL_NCHS	Frequency	Percent of Total
.: Missing	32,158	0.45%
1: Large Central Metro	2,143,654	29.96%
2: Large Fringe Metro	1,695,512	23.70%
3: Medium Metro	1,478,230	20.66%
4: Small Metro	656,062	9.17%
5: Micropolitan	654,695	9.15%
6: Noncore	493,678	6.90%

RACE	Frequency	Percent of Total
.: Missing	430,314	6.02%
.A: Invalid	167	0.00%
1: White	4,394,536	61.43%
2: Black	1,038,908	14.52%
3: Hispanic	822,664	11.50%
4: Asian/Pacific Islander	203,169	2.84%
5: Native American	42,853	0.60%
6: Other	221,378	3.09%

тотснб	Frequency	Percent of Total
.: Missing	126,535	1.77%
.A: Invalid	107	0.00%
.C: Inconsistent	1,618	0.02%
\$100- \$1,000	16,980	0.24%
\$1,001- \$5,000	651,904	9.11%
\$5,001- \$10,000	841,319	11.76%
\$10,001- \$50,000	3,820,945	53.41%
\$50,001- \$100,000	1,063,762	14.87%
\$100,001- \$200,000	442,337	6.18%
\$200,001- \$300,000	102,658	1.43%
\$300,001- \$400,000	37,782	0.53%
\$400,001- \$500,000	18,018	0.25%
\$500,001-\$1,000,000	23,454	0.33%
Over \$1,000,000	6,570	0.09%

TRAN_IN	Frequency	Percent of Total
.: ASOURCE and POO missing or invalid	37,349	0.52%
0: Not a transfer	6,593,628	92.17%
1: Transferred in from a different acute care hospital [ATYPE NE 4 & (ASOURCE=2 or POO=4)]	371,691	5.20%
2: Transferred in from another type of health facility [ATYPE NE 4 & (ASOURCE=3 or POO=5,6)]	151,321	2.12%

TRAN_OUT	Frequency	Percent of Total
.: DISPUNIFORM missing or invalid	3,853	0.05%
0: Not a transfer	6,011,746	84.03%
1: Transferred out to a different acute care hospital (DISPUNIFORM=2)	139,421	1.95%
2: Transferred out to another type of health facility (DISPUNIFORM=5)	998,969	13.96%

YEAR	Frequency	Percent of Total
2015	7,153,989	100.0%

ZIPINC_QRTL	Frequency	Percent of Total
.: Missing	134,865	1.89%
.A: Invalid	1,038	0.01%
1: First quartile	2,180,717	30.48%
2: Second quartile	1,724,041	24.10%
3: Third quartile	1,686,685	23.58%
4: Fourth quartile	1,426,643	19.94%

Variable: AGE (Age in years at admission)

	Moments				
N	7151190	Sum Weights	7151190		
Mean	48.8367096	Sum Observations	349240589		
Std Deviation	27.5530703	Variance	759.171685		
Skewness	-0.3937563	Kurtosis	-0.9659034		
Uncorrected SS	2.24847E10	Corrected SS	5428980199		
Coeff Variation	56.418769	Std Error Mean	0.01030341		

	Basic Statistical Measures			
Locat	Location Variability			
Mean	48.84	Std Deviation	27.55	
Median	54.00	Variance	759.17	
Mode	0.00	Range	90.00	
		Interquartile Range	43.00	

Tests for Location: Mu0=0				
Test	Statistic p Value			
Student's t	t	4739.86	Pr > t	<.0001
Sign	M	3149315	Pr >= M	<.0001
Signed Rank	S	9.918E12	Pr >= S	<.0001

Quantiles (Definition 5)		
Level	Quantile	
100% Max	90.00	
99%	90.00	
95%	87.00	
90%	83.00	
75% Q3	71.00	

Variable: AGE (Age in years at admission)

Quantiles (Definition 5)		
Level Quan		
50% Median	54.00	
25% Q1	28.00	
10%	0.00	
5%	0.00	
1%	0.00	
0% Min	0.00	

Missing Values				
		Percent Of		
Missing Value	Count	All Obs	Missing Obs	
	2,177	0.03	77.78	
A	10	0.00	0.36	
С	612	0.01	21.86	
Total	2,799	0.04	100.00	

Variable: LOS (Length of stay (cleaned))

	Moments				
N	7151712	Sum Weights	7151712		
Mean	4.62246536	Sum Observations	33058541		
Std Deviation	6.87222805	Variance	47.2275183		
Skewness	12.0127306	Kurtosis	318.30542		
Uncorrected SS 490569523 Corrected SS 33775					
Coeff Variation	148.67019	Std Error Mean	0.00256976		

	Basic Statistical Measures			
Locati	Location Variability			
Mean	4.62	Std Deviation 6.87		
Median	3.00	Variance 47.2		
Mode	2.00	Range	365.00	
		Interquartile Range	3.00	

Tests for Location: Mu0=0				
Test	Statistic p Value			
Student's t	t	1798.793	Pr > t	<.0001
Sign	M	3511080	Pr >= M	<.0001
Signed Rank	S	1.233E13	Pr >= S	<.0001

Quantiles (Definition 5)		
Level	Quantile	
100% Max	365.00	
99%	29.00	
95%	14.00	
90%	9.00	
75% Q3	5.00	

Variable: LOS (Length of stay (cleaned))

Quantiles (Definition 5)		
Level	Quantile	
50% Median	3.00	
25% Q1	2.00	
10%	1.00	
5%	1.00	
1%	0.00	
0% Min	0.00	

Missing Values				
		Percent Of		
Missing Value	Count	All Obs	Missing Obs	
	1,946	0.03	85.46	
A	19	0.00	0.83	
С	312	0.00	13.70	
Total	2,277	0.03	100.00	

Variable: TOTCHG (Total charges (cleaned))

Moments				
N	7025729 Sum Weights 70			
Mean	44071.2296	Sum Observations	3.09633E11	
Std Deviation	82243.7591	Variance	6764035907	
Skewness	13.4821307	Kurtosis	390.68131	
Uncorrected SS	6.11682E16	Corrected SS	4.75223E16	
Coeff Variation	186.615531	Std Error Mean	31.0282481	

	Basic Statistical Measures				
Location Variability			ity		
Mean	44,071.23	14,071.23 Std Deviation 82,243.70			
Median	23,679.00	Variance	6764035906.80		
Mode	6,248.00	Range 4,991,479.00			
		Interquartile Range	37,110.00		

Tests for Location: Mu0=0				
Test	Statistic p Value			
Student's t	t	1420.358	Pr > t	<.0001
Sign	M	3512865	Pr >= M	<.0001
Signed Rank	S	1.234E13	Pr >= S	<.0001

Quantiles (Definition 5)		
Level Quanti		
100% Max	4,991,579.00	
99%	331,682.00	
95%	141,940.00	
90%	93,402.00	
75% Q3	48,542.00	

Variable: TOTCHG (Total charges (cleaned))

Quantiles (Definition 5)		
Level Quantile		
50% Median	23,679.00	
25% Q1	11,432.00	
10%	5,211.00	
5%	3,162.00	
1%	1,599.00	
0% Min	100.00	

Missing Values				
		Percent Of		
Missing Value	Count	All Obs	Missing Obs	
	126,535	1.77	98.66	
A	107	0.00	0.08	
С	1,618	0.02	1.26	
Total	128,260	1.79	100.00	

Variable: DISCWT	(NIS discharge	weight)
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Moments				
N	7153989	Sum Weights	7153989	
Mean	4.99999958	Sum Observations	35769942	
Std Deviation	0.00011051	Variance	1.22125E-8	
Skewness	-6.6061698	Kurtosis	1080.60746	
Uncorrected SS	178849695	Corrected SS	0.08736785	
Coeff Variation	0.0022102	Std Error Mean	4.13169E-8	

]	Basic Statistical Measures			
Location Variability				
Mean	5.00	Std Deviation	0.00	
Median	5.00	Variance	0.00	
Mode	5.00	Range	0.01	
		Interquartile Range	0.00	

Tests for Location: Mu0=0					
Test	Statistic p Value			Statistic	
Student's t	t	1.2102E8	Pr > t	<.0001	
Sign	M	3576995	Pr >= M	<.0001	
Signed Rank	S	1.279E13	Pr >= S	<.0001	

Quantiles (Definition 5)		
Level	Quantile	
100% Max	5.00	
99%	5.00	
95% 5.0		
90% 5.0		
75% Q3 5.		

Variable: DISCWT (NIS discharge weight)

Quantiles (Definition 5)	
Level	Quantile
50% Median	5.00
25% Q1	5.00
10%	5.00
5%	5.00
1%	5.00
0% Min	4.99